Full Stack Developer
Python + React.js

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About us

PlanOpSim is a young engineering company focusing on optics and photonics. PlanOpSim develops a numerical simulation software to model and design metasurfaces. Metasurfaces (for example nano-structured lenses) are an upcoming field in the nano-photonics industry. PlanOpSim's software is used for the design of nano-structured photonic components in numerous domains like telecom, VR/AR devices, holography, medical, automotive and metrology by R&D departments and research centres across the globe (our clients are based in for example the US, Hongkong and India). We support multiple companies and universities over a wide range of technologies as technical consultants next to providing software.

PlanOpSim is a start-up located in Ghent, Belgium, in the heart of a thriving region for photonics technology.

Job description

As Full Stack developer your primary responsibility will be implementing, testing and documenting new features for PlanOpSim's software. As well as contributing to implementation and architecture decisions on new simulation products. . In the front-end you will program a user-friendly web-application for the design of optical components. In the back-end you will optimize the implementation of physical and mathematical recipes as well as test alternative recipes for improved computation performance. Additionally, you will provide instructions, training and advice to your colleagues and sporadically to users and distributors.

You will occasionally perform functional analysis of additional features, translating them into clear task descriptions for the software development team. Assess the impact of implementation choices on software performance and provide clear guidelines to the product owner on the impact of new developments.

You will adhere to best practices in software development such as robustness, quality assurance and documentation.

Typical tasks will include:

- Analysing and implementing computational algorithms in an efficient program
- Documenting your code in a clear and structured format
- Developing interfaces between Planopsim's software and third-party software
- Optimizing your code for high computation speed and accuracy

Depending on your interest, you can evolve into roles and tasks like software architecture, devops, leadership or customer projects..

Your profile

The ideal candidate would have:

- A Master's degree (M.Sc., Industrial or Civil Engineer) in Computer Science, Electronics Engineering, Physics or equivalent through experience
- Experience in software development in Javascript/React.js and/or Python/Django.
- Experience with AWS
- Fluent proficiency in English, speaking Dutch is a plus
- A self-starting personality, who takes initiative and communicates clearly and openly

The following are considered an extra advantage:

- Experience/interest in computational science
- Prior knowledge and experience with optical technology
- Experience with C++ and other programming languages

What we offer

You will receive a competitive salary in line with your level of experience. An additional renumeration in stock options is available if interested.

You will be joining a fast growing start-up and have a strong impact on the company's growth and future direction.

By joining PlanOpSim you will be working at the cutting edge of technology with many opportunities for personal and professional growth. As a young technology company we foster an open and flexible work environment.

Contact:

Send in your résumé and application letter to lieven.penninck@planopsim.com